For further help, please visit
www.ioboxhd.com and
www.networkedmediatank.com

ioBox™ 100HD

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User Manual

www.dragontechcorp.com

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V1.0

1 Unwrap the package

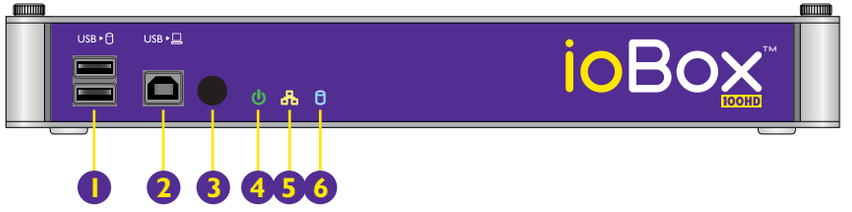
Please confirm that the package includes the following items, and that those items are in good condition:

1. ioBox-100HD high definition network media player
2. Universal power adapter (100v-240v) with power cord
3. Remote control with 2 AAA batteries
4. USB slave cable
5. HDMI cable
6. 4 screws for 3.5" HDD installation and 4 smaller screws for 2.5" HDD installation
7. This User Manual

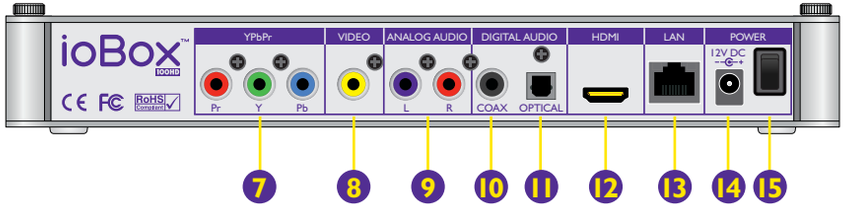
If you find that anything is missing or damaged after opening the package, please contact your reseller.

2 Familiarise yourself with ioBox-100HD

Front panel



Rear panel



1. USB 2.0 host ports (to external DVD-ROM/disks)
2. USB 2.0 slave port (to PC)
3. IR receiver
4. Power indicator
5. Network activity indicator
6. Hard disk activity indicator
7. Component video output (YPbPr)
8. Composite video output
9. Analogue audio output (stereo left and right)
10. Coaxial digital audio output
11. Optical digital audio output
12. HDMI digital video output
13. Local Area Network (LAN)
14. Power socket
15. Power switch

3 Remote control hints

POWER

POWER only:	Standby
Within 5 seconds after pressing POWER button:	
POWER + EJECT:	Soft reset
POWER + DELETE:	Shutdown

SETUP

On Menu screen:	Enters the setup page
During video playback:	Adjusts brightness, contrast etc

TV MODE

Within 5 seconds after pressing TV MODE button, pressing a numeric button will change the video outputs and resolutions:

TV MODE + 0	Auto TV mode
TV MODE + 1	Component/Composite NTSC 480i
TV MODE + 2	Component/Composite PAL 576i
TV MODE + 3	reserved
TV MODE + 4	Component 720p60
TV MODE + 5	Component 1080i60
TV MODE + 6	Component 1080p60
TV MODE + 7	HDMI 720p60
TV MODE + 8	HDMI 1080i60
TV MODE + 9	HDMI 1080p60
TV MODE + CAPS/NUM	Toggles between 50Hz and 60Hz

Numeric buttons

During media playback, these will jump to a percentage of the length of the file. e.g. 1=10%, 2=20%

Navigation buttons

SOURCE:	Lists all available media sources such as internal HDD/USB HDD/SMB/NFS etc. During DVD playback: Repeat Chapter/Title
HOME:	Enters the Movie, Music, Picture, Text selection screen. During DVD playback: Repeat A/B
ARROWs:	Navigates the menus
ENTER:	Executes a command or plays ONLY the selected file(s)
RETURN:	Returns to the previous menu

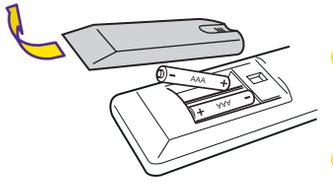
DVD style playback control buttons

Coloured buttons

When in File Mode:

	Video
	Music
	Photo
	Others

Fitting the remote control batteries



1. Turn the remote control over.
2. Remove the battery compartment cover by placing your thumb in the indent and carefully sliding it backwards.
3. Insert the 2 AAA batteries (provided) into the slots, taking special care to aline the positive (+) and negative (-) ends of the batteries with the diagram inside the compartment.
4. Replace the cover by sliding it horizonally from the back of the remote control. It will click firmly into place.

4 Installing internal Hard Disk (optional)

a

Before installation, please make sure you have all the following items:

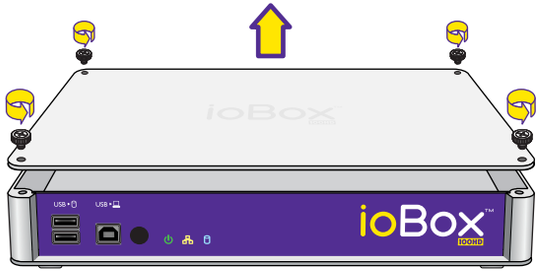
1. A flat, clear space to work on, free of dust, dirt and moisture.
2. Philips screwdriver
3. 4 HDD screws (provided)
4. A 3.5" or 2.5" SATA hard disk

b

Make sure all the cables, including power cord, have been disconnected from the ioBox-100HD.

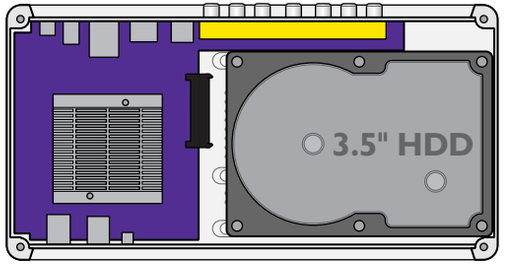
c

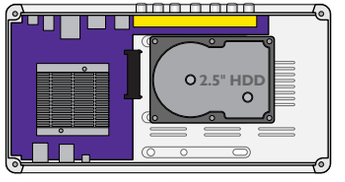
Remove the 4 screws shown in the diagram and lift off the top cover.



d

Place your hard disk onto the base of ioBox-100HD in the space provided, with the label side of the hard disk facing towards you, and the SATA connector of the hard disk facing towards the SATA adapter on the system board.

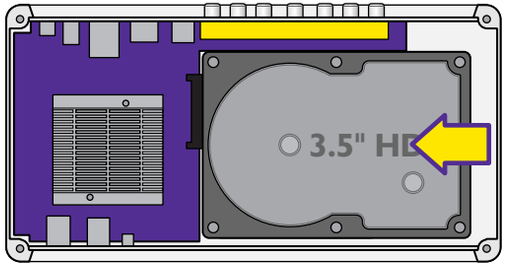


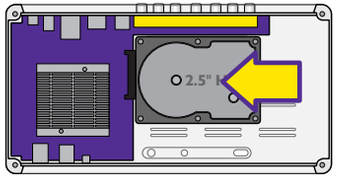


2.5" Hard Disk Drive

e

Align the disk's SATA connector with the SATA adapter of the system board and push the hard disk towards it until the disk's SATA connector has been fully inserted into the SATA adapter.

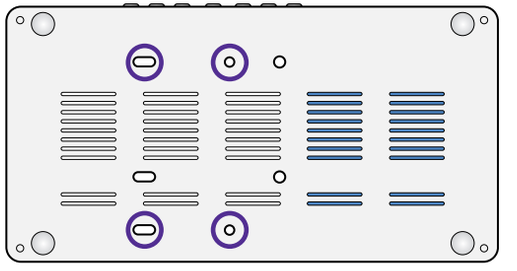


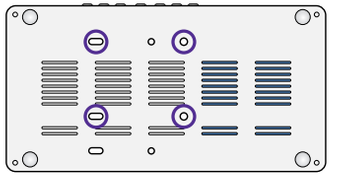


2.5" Hard Disk Drive

f

Carefully support the weight of the hard disk and turn over the case with a finger firmly pressing the hard disk. Now, the four screw holes on the bottom should align with the four screw holes of the hard disk.
Fasten the 4 screws provided through the baseplate and into the disk (the smaller screws are for a 2.5" HDD)

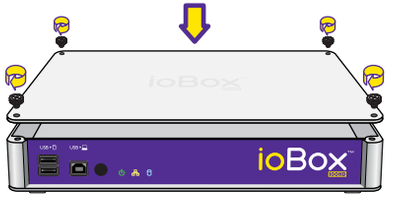




2.5" Hard Disk Drive

g

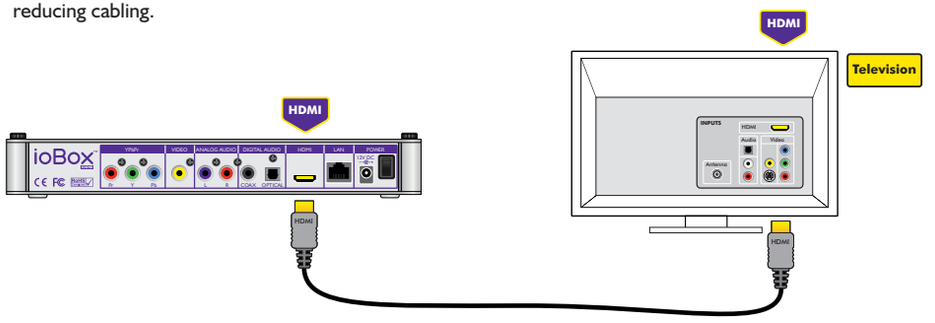
Reinstall the top cover and screws to finish.



5 Cabling

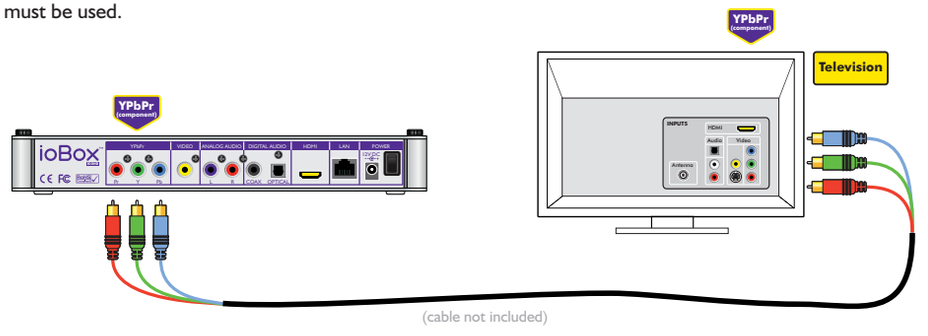
Video+Audio for HDMI-equipped HDTVs

HDMI is the highest quality video output from ioBox-100HD and can also carry multi-channel audio, reducing cabling.



Video for HDTVs without HDMI

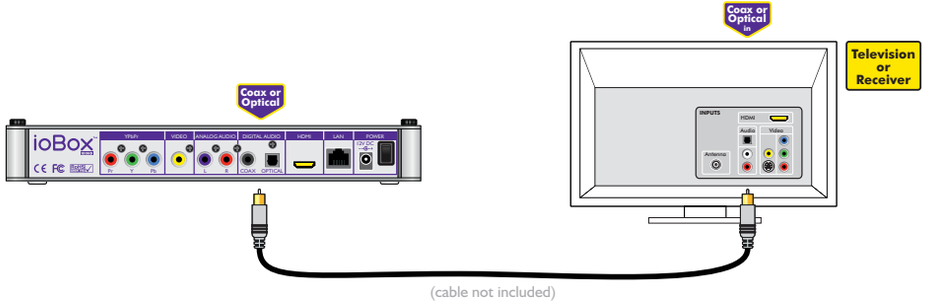
In order to get High Definition video from ioBox-100HD without HDMI, a Component (YPbPr) cable must be used.



(cable not included)

Audio for AV Receivers or HDTVs without HDMI

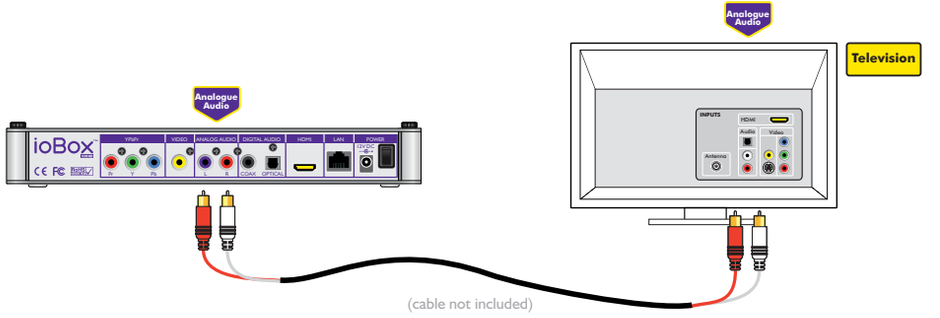
If you are connecting the audio to an AV Receiver or to an HDTV without HDMI, the best quality connection to use is one of the digital audio outputs - either Coaxial or Optical.



(cable not included)

Audio for HDTVs without HDMI or a digital connection

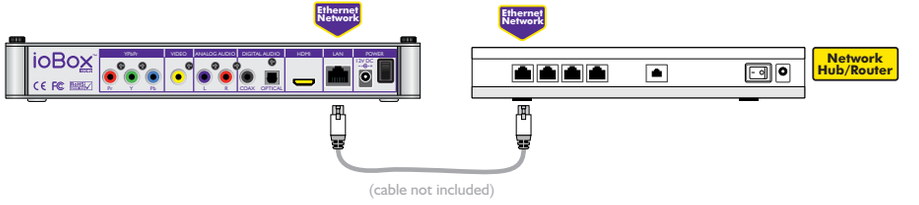
Many TVs don't accept a digital audio signal, in which case the analogue stereo audio outputs of ioBox-100HD can be used. You may also want to use this connection to a Hi-Fi system for music.



(cable not included)

Network connection

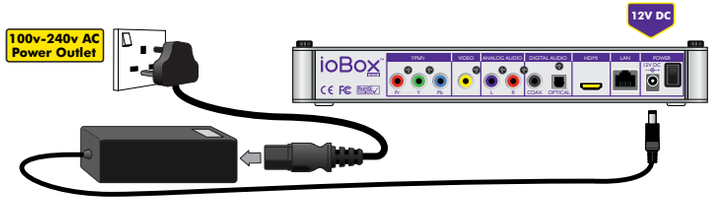
Simply use a Cat. 5 network cable to connect ioBox-100HD to your home network.



(cable not included)

Power connection

Insert the power cord into a suitable power outlet and the 12v DC plug into ioBox-100HD.
Note: The appearance of the plug and transformer will vary from country to country.



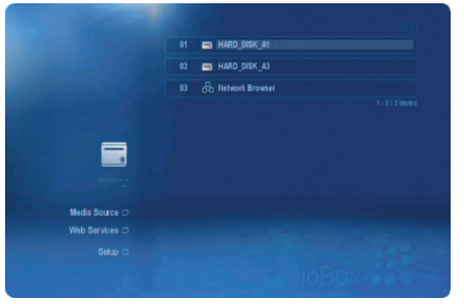
6 The first power up

a

Please ensure your display has been correctly connected and powered on.
Power on the ioBox-100HD via the rear power switch.
A welcome screen will appear, followed by a menu listing of the available media sources (the boot process of the ioBoxHD will take about 1 minute).

b

If you cannot see this screen, please make sure you have selected the correct input from your HDTV. You may also need to use TV MODE + numeric button on the remote control to select a correct output mode for ioBox-100HD.



c

Now you may customize the player and select your preferences. Press SETUP on the remote to enter setup menu, and then select Preferences and Audio/Video for common settings.

Congratulations - ioBox-100HD is now ready to use! Most users can stop here and enjoy this new toy. Advanced users may go to section 7.

7 Firmware upgrade (optional)

From time to time, new firmware is released to add new enhancements and fix reported problems.

a

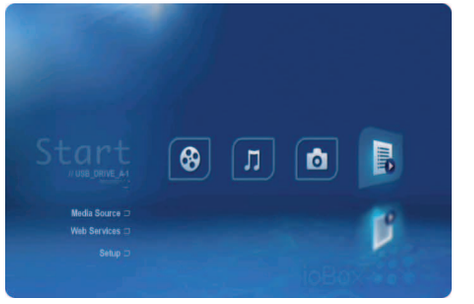
Please visit www.ioboxhd.com/downloads.html to download the latest firmware for ioBox-100HD, and de-compress the files to the root directory of a USB flash drive.

b

Plug the USB flash drive into the player and browse it.

c

Select the fourth media type (Text) and then press ENTER.



d

Select the html file (e.g. usbupdate.html), and press ENTER.

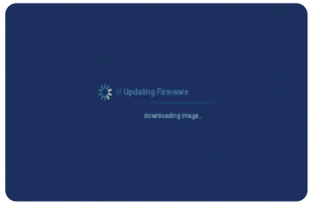
e

Choose the firmware version, and press ENTER.

f

The system will perform firmware upgrade automatically.

Important! Don't interrupt the update process. Once the process is finished, the system will restart.



8 Installing NMT applications (optional)

NMT (Networked Media Tank) applications are a set of advanced network applications which enable the ioBox100-HD to work as a Samba file server, Torrent server, uPnP AV server and more. You MUST have installed an internal HDD (section 4) in order to install NMT applications.

a

Before starting the setup process, please download the latest firmware for ioBox-100HD from www.ioboxhd.com/downloads.html, then de-compress the files to the root directory of a USB flash drive (if you did not do it in section 7).

b

Plug in the USB disk and then press "SETUP" on the remote. Use the arrow and Enter buttons on the remote to select "Maintenance", and then select "NMT setup wizard".

c

The NMT installation wizard will appear. If you installed NMT in the hard disk before, please select "Typical Setup", otherwise please select "Fresh Setup".

Choose "next" to continue.

Warning! This will format the hard disk and erase all the data on it. The HDD will be formatted as Linux EXT2/EXT3 file system, which is not recognized by Windows unless you install a 3rd party driver on your Windows PC.

// NMT Setup Wizard
This setup process will install the following Networked Media Tank (NMT) Applications:
[Samba Server]
[Torrent Server]
[UPnP AV Server]
[myHome Server]
Please select your desired option.
Typical Setup (Installs NMT Applications without removing media contents)
Fresh Setup (Reformats hard drive and installs NMT Applications)
next
cancel

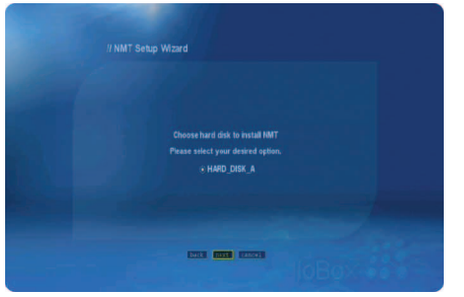
d

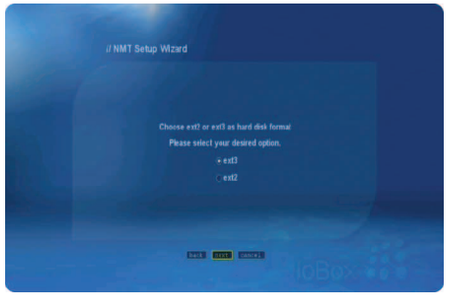
Choose hard disk and file system for the hard disk. EXT3 is recommended.

Choose "next" to continue.

A warning message appears.

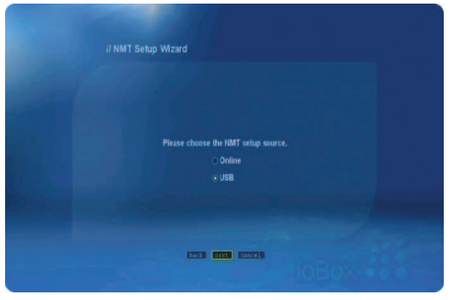
Choose "next" to continue again.





e

Please select USB and then choose "next" to start the installation process.



After installation has completed, ioBox-100HD will restart.